FEMS Microbiology Letters

AUTHOR INDEX VOLUME 68

Abe, Y., see Kamezawa, Y. (68) 159
Abeck, D., Johnson, A.P., Korting, H.C., Stolz, W., Struck-Sauer, E. and Braun-Falco, O.
Effect of iron limitation on protein composition and ultrastructure of *Haemophilus ducreyi* (68) 41
Ahmad, W. and Ellar, D.J.
Directed mutagenesis of selected regions of a *Bacillus thuringiensis* entomocidal protein (68) 97
Airaksinen, U., see Saris, P. (68) 143
Alazard, D.
Nitrogen fixation in pure culture by rhizobia isolated from stem nodules of tropical *Aeschynomene* species (68) 177
Amalia, , Karagouni, D., Bloye, S.A. and Carr, N.G.
The presence and absence of inorganic carbon concentrating systems in unicellular cyanobacteria (68) 137
Anguita-Castillo, J., see Rivero-Lezcano, O. (68) 201
Asturias, J.A., Liras, P. and Martin, J.F.
A bifunctional *Streptomyces-E. coli* promoter-probe vector (68) 65
Austin, B. and Austin, D.A.
Expression of motility in strains of the non-motile species *Aeromonas media* (68) 123
Austin, D.A., see Austin, B. (68) 123

Bagchi, S.N., see Palod, A. (68) 285
Baldwin, J.E., Blackburn, J.M., Schofield, C.J. and Sutherland, J.D.
High level expression in *Escherichia coli* of a fungal gene under the control of strong promoters (68) 45
Barbé, J., see Gibert, I. (68) 307
Bharathi, A. and Polasa, H.
Elimination of $ColE_1$ group (pBR322 and pBR329) plasmids in *Escherichia coli* by α-santonin (68) 213
Blackburn, J.M., see Baldwin, J.E. (68) 45
Bligh, H.F.J. and Kelly, S.L.
Observations of an extreme form of late eccentric lytic fission in *Schizosaccharomyces pombe* (68) 69
Blondeau, R., see Yanze Kontchou, C. (68) 323
Bloye, S.A., see Amalia, (68) 137
Braster, M., see Van der Woude, M.W. (68) 183
Braun-Falco, O., see Abeck, D. (68) 41

Camprubi, S., see Merino, S. (68) 239
Carbonnelle, B., see Cottin, J. (68) 301
Carr, A.J., see Rosenberger, R.F. (68) 19
Carr, N.G., see Amalia, (68) 137
Casella, S. and Rutili, A.
Denitrifying population dynamic and evolution of nitrogen gas during a composting process (68) 53
Cebrat, S., see Morzejko, E. (68) 7
Chauhan, V.S., see Palod, A. (68) 285
Ciarrocchi, G., see Parolin, C. (68) 341
Clarke, J.R., see Hay, P.E. (68) 233
Collins, M.D., see Whiley, R.A. (68) 115
Collins, M.D., see Williams, A.M. (68) 109
Cook, A.M., see Egli, C. (68) 207
Cottin, J., Loiseau, O., Robert, R., Mahaza, C., Carbonnelle, B. and Senet, J.M.
Surface *Listeria monocytogenes* carbohydrate-binding components revealed by agglutination with neoglycoproteins (68) 301
Courvalin, P., see Zilhao, R. (68) 267

Dawson, A., Southgate, G. and Goodwin, P.M.
Regulation of methanol and methylamine dehydrogenases in *Methylophilus methylotrophus* (68) 93
De Graaf, F.K., see Van der Woude, M.W. (68) 183
De Rycke, J., see Oswald, E. (68) 279
Dierstein, R., see Martin, C. (68) 1
Douglas, C.W.I., see Whiley, R.A. (68) 115
Duntze, W., see Steden, M. (68) 229
Dürre, P., see Strätz, M. (68) 171

Egli, C., Stromeyer, S., Cook, A.M. and Leisinger, T.
Transformation of tetra- and trichloromethane to CO_2 by anaerobic bacteria is a non-enzymic process (68) 207
Ellar, D.J., see Ahmad, W. (68) 97
Ellis, A.E., see Rose, A.S. (68) 105

Fraser, H.Y., see Whiley, R.A. (68) 115
Fryer, J.L., see Williams, A.M. (68) 109
Fujita, K., see Yamamoto, T. (68) 335

Gibert, I. and Barbé, J.
Cyclic AMP stimulates transcription of the structural gene of the outer-membrane protein OmpA of *Escherichia coli* (68) 307
Gleason, F.K.
The natural herbicide, cyanobacterin, specifically disrupts thylakoid membrane structure in *Euglena gracilis* strain Z (68) 77
Goldmeier, D., see Hay, P.E. (68) 233
Goodwin, P.M., see Dawson, A. (68) 93
Gottschalk, G., see Strätz, M. (68) 171
Grabert, E., Wingender, J. and Winkler, U.K.
An outer membrane protein characteristic of mucoid strains of *Pseudomonas aeruginosa* (68) 83
Gray, S.N., Robinson, P., Wilding, N. and Markham, P.

0378-1097/90/$03.50 © 1990 Federation of European Microbiological Societies

Effect of oleic acid on vegetative growth of the aphid-pathogenic fungus *Erynia neoaphidis* (68) 131

Haishima, Y., see Kondo, S. (68) 155
Hamana, K., Matsuzaki, S., Niitsu, M. and Samejima, K.
Pentaamines and hexaamine are present in a thermophilic eubacterium, *Thermomicrobium roseum* (68) 31
Hamana, K., Niitsu, M., Samejima, K. and Matsuzaki, S.
Thermopentamine, a novel linear pentaamine found in *Thermus thermophilus* (68) 27
Hardie, J.M., see Whiley, R.A. (68) 115
Hay, P.E., Clarke, J.R., Strugnell, R.A., Taylor-Robinson, D. and Goldmeier, D.
Use of the polymerase chain reaction to detect DNA sequences specific to pathogenic treponemes in cerebrospinal fluid (68) 233
Hipkiss, A.R., see Rosenberger, R.F. (68) 19
Hisatsune, K., see Kondo, S. (68) 155
Holmes, R.K., see Marcus, H. (68) 149
Honda, T., Ni, Y. and Miwatani, T.
Production of monoclonal antibody against a hemolysin (Vp-TRH) produced by *Vibrio parahaemolyticus* (68) 167

Jeanjean, R., Onana, B., Peschek, G.A. and Joset, F.
Mutants of the cyanobacterium *Synechocystis* PCC6803 impaired in respiration and unable to tolerate high salt concentrations (68) 125
Johnson, A.P., see Abeck, D. (68) 41
Jones, I.G., see Purewal, A.S. (68) 73
Joset, F., see Jeanjean, R. (68) 125
Jouenne, T. and Junter, G.-A.
Do β-lactam antibiotics permeabilize the outer membrane of Gram-negative bacteria? An electrochemical investigation (68) 313
Junter, G.-A., see Jouenne, T. (68) 313

Kakizono, T., see Lin, D. (68) 89
Kamezawa, Y., Nakahara, T., Abe, Y. and Kato, I.
Increased vascular permeability, erythema, and leukocyte emigration induced in rabbit skin by streptococcal erythrogenic toxin type A (68) 159
Kaper, J.B., see Marcus, H. (68) 149
Karagouni, D., see Amalia, (68) 137
Kashyap, A.K., see Sing, S. (68) 163
Kato, I., see Kamezawa, Y. (68) 159
Kato, I., see Takano, S. (68) 319
Kawasaki, H., see Murai, T. (68) 61
Kaya, S., see Yokota, S.-i. (68) 245
Kelly, S.L., see Bligh, H.F.J. (68) 69
Ketley, J.M., see Marcus, H. (68) 149
Klein, J.P., see Ogier, J.A. (68) 223
Klotz, S.A.
Adherence of *Candida albicans* to components of the subendothelial extracellular matrix (68) 249
Kondo, S., Haishima, Y. and Hisatsune, K.
Analysis of the 2-keto-3-deoxyoctonate (KDO) region of lipopolysaccharides isolated from non-01 *Vibrio cholerae* 05R (68) 155
Korting, H.C., see Abeck, D. (68) 41
Kubicek, C.P., see Kubicek-Pranz, E.M. (68) 273
Kubicek-Pranz, E.M., Steiner, M. and Kubicek, C.P.
Stimulatory effect of oxidized cellulose on cellulase formation by *Trichoderma reesei* (68) 273

Leisinger, T., see Egli, C. (68) 207
Leproivre, Y., see Ogier, J.A. (68) 223
Lin, D., Kakizono, T., Nishio, N. and Nagai, S.
Enhanced cytochrome formation and stimulated methanogenesis rate by the increased ferrous concentrations in *Methanosarcina barkeri* culture (68) 89
Liras, P., see Asturias, J.A. (68) 65
Loiseau, O., see Cottin, J. (68) 301
López-Nieto, J., see Rivero-Lezcano, O. (68) 201

Macy, J.M., see Michel, T.A. (68) 189
Mahaza, C., see Cottin, J. (68) 301
Malina, H. and Robert-Gero, M.
Involvement of plasmids in *Streptomyces incarnatus* phenotype (68) 195
Marcus, H., Ketley, J.M., Kaper, J.B. and Holmes, R.K.
Effects of DNase production, plasmid size, and restriction barriers on transformation of *Vibrio cholerae* by electroporation and osmotic shock (68) 149
Markham, P., see Gray, S.N. (68) 131
Martin, C., Sivonen, K., Matern, U., Dierstein, R. and Weckesser, J.
Rapid purification of the peptide toxins microcystin-LR and nodularin (68) 1
Martin, D.R., see Saravani, G.A. (68) 35
Martin, J.F., see Asturias, J.A. (68) 65
Matern, U., see Martin, C. (68) 1
Matsui, K., see Mizuno, T. (68) 289
Matsuzaki, S., see Hamana, K. (68) 27
Matsuzaki, S., see Hamana, K. (68) 31
McConnell, M.M., see Willshaw, C.A. (68) 255
Merino, S., Camprubi, S. and Tomás, J.M.
Isolation and characterization of bacteriophage PM2 from *Aeromonas hydrophila* (68) 239
Michel, T.A. and Macy, J.M.
Purification of an enzyme responsible for acetate formation from acetyl coenzyme A in *Selenomonas ruminantium* (68) 189
Midgley, M., see Purewal, A.S. (68) 73
Miwatani, T., see Honda, T. (68) 167
Mizuno, T., Shinkai, A., Matsui, K. and Mizushima, S.
Osmoregulatory expression of porin genes in *Escherichia coli*: a comparative study on strains B and K-12 (68) 289
Mizuno, T., see Ozawa, Y. (68) 295
Mizushima, S., see Mizuno, T. (68) 289
Mizushima, S., see Ozawa, Y. (68) 295
Montecucco, A., see Parolin, C. (68) 341
Morzejko, E., Panek, E. and Cebrat, S.
Conjugational cotransfer of IncFI and IncI conjugative plasmids forming aggregate in a pathogenic *Citrobacter freundii* strain (68) 7
Munro, A.L.S., see Rose, A.S. (68) 105

Murai, T., Ogawa, Y. and Kawasaki, H.
Macrophage hyperreactivity to endotoxin induced by streptococcal pyrogenic exotoxin in rabbits (68) 61

Nagai, S., see Lin, D. (68) 89
Naharro-Carrasco, G., see Rivero-Lezcano, O. (68) 201
Nakahara, T., see Kamezawa, Y. (68) 159
Neuwald, A.F. and Stauffer, G.V.
(68) 13
Ni, Y., see Honda, T. (68) 167
Niitsu, M., see Hamana, K. (68) 27
Niitsu, M., see Hamana, K. (68) 31
Nishio, N., see Lin, D. (68) 89
Noda, M., see Takano, S. (68) 319
Noguchi, H., see Yokota, S.-i. (68) 245

O'Gara, F., see O'Sullivan, M. (68) 329
Ogawa, Y., see Murai, T. (68) 61
Ogier, J.A., Scholler, M., Leproivre, Y., Pini, A., Sommer, P. and Klein, J.P.
Complete nucleotide sequence of the *sr* gene from *Streptococcus mutans* OMZ 175 (68) 223
Oguri, T., see Yamamoto, T. (68) 335
Onana, B., see Jeanjean, R. (68) 125
O'Sullivan, M., Stephens, P.M. and O'Gara, F.
Interactions between the soil-borne bacteriophage Fo-1 and *Pseudomonas* spp. on sugarbeet roots (68) 329
Oswald, E. and De Rycke, J.
A single protein of 110 kDa is associated with the multinucleating and necrotizing activity coded by the Vir plasmid of *Escherichia coli* (68) 279
Ozawa, Y., Mizushima, S. and Mizuno, T.
Osmoregulatory expression of the *ompC* gene in *Escherichia coli* K-12; IS1 insertion in the upstream regulatory region results in constitutive activation of the promoter (68) 295

Palod, A., Chauhan, V.S. and Bagchi, S.N.
Regulation of nitrate reduction in a cyanobacterium *Phormidium uncinatum*: Distinctive modes of ammonium-repression of nitrate and nitrite reductases (68) 285
Palu, G., see Parolin, C. (68) 341
Palumbo, M., see Parolin, C. (68) 341
Palva, A., see Saris, P. (68) 143
Palva, I., see Saris, P. (68) 143
Panek, E., see Morzejko, E. (68) 7
Parolin, C., Montecucco, A., Ciarrocchi, G., Pedrali-Noy, G., Valisena, S., Palumbo, M. and Palu, G.
The effect of the minor groove binding agent DAPI (2-amidino-diphenyl-indole) on DNA-directed enzymes: an attempt to explain inhibition of plasmid expression in *Escherichia coli* (68) 341
Pedrali-Noy, G., see Parolin, C. (68) 341
Peschek, G.A., see Jeanjean, R. (68) 125
Pini, A., see Ogier, J.A. (68) 223
Polasa, H., see Bharathi, A. (68) 213
Purewal, A.S., Jones, I.G. and Midgley, M.
Cloning of the ethidium efflux gene from *Escherichia coli* (68) 73

Rayner, M.H., Sadler, P.J. and Scawen, M.D.
NMR studies of a bacterial cell culture medium (LB Broth): cyclic nucleosides in yeast extracts (68) 217
Rivero-Lezcano, O., Anguita-Castillo, J., López-Nieto, J. and Naharro-Carrasco, G.
Cloning and expression in *Escherichia coli* of tryptophan genes from *Streptomyces griseus* IMRU 3570 (68) 201
Robert-Gero, M., see Malina, H. (68) 195
Robert, R., see Cottin, J. (68) 301
Robinson, P., see Gray, S.N. (68) 131
Rose, A.S., Ellis, A.E. and Munro, A.L.S.
Evidence against dormancy in the bacterial fish pathogen *Aeromonas salmonicida* subsp. *salmonicida* (68) 105
Rosenberger, R.F., Carr, A.J. and Hipkiss, A.R.
Regulation of breakdown of canavanyl proteins in *Escherichia coli* by growth conditions in *lon*$^+$ and *lon*$^-$ cells (68) 19
Rowe, B., see Willshaw, C.A. (68) 255
Rubidge, T., see Titball, R.W. (68) 261
Runeberg-Nyman, K., see Saris, P. (68) 143
Rutili, A., see Casella, S. (68) 53

Sadler, P.J., see Rayner, M.H. (68) 217
Samejima, K., see Hamana, K. (68) 27
Samejima, K., see Hamana, K. (68) 31
Saravani, G.A. and Martin, D.R.
Opacity factor from group A streptococci is an apoproteinase (68) 35
Saris, P., Taira, S., Airaksinen, U., Palva, A., Sarvas, M., Palva, I. and Runeberg-Nyman, K.
Production and secretion of pertussis toxin subunits in *Bacillus subtilis* (68) 143
Sarvas, M., see Saris, P. (68) 143
Scawen, M.D., see Rayner, M.H. (68) 217
Schofield, C.J., see Baldwin, J.E. (68) 45
Scholler, M., see Ogier, J.A. (68) 223
Senet, J.M., see Cottin, J. (68) 301
Shinkai, A., see Mizuno, T. (68) 289
Sing, S., Kashyap, A.K. and Singh, H.N.
Developmental regulation of methylammonium (ammonium) transport activity in the cyanobacterium *Anabaena doliolum* (68) 163
Singh, H.N., see Sing, S. (68) 163
Sivonen, K., see Martin, C. (68) 1
Smith, H.R., see Willshaw, C.A. (68) 255
Sommer, P., see Ogier, J.A. (68) 223
Southgate, G., see Dawson, A. (68) 93
Stauffer, G.V., see Neuwald, A.F. (68) 13
Steden, M. and Duntze, W.
Transcriptional control of SSL1, a gene controlling α-specific inactivation of *a*-factor in *Saccharomyces cerevisiae* (68) 229
Steiner, M., see Kubicek-Pranz, E.M. (68) 273
Stephens, P.M., see O'Sullivan, M. (68) 329
Stolz, W., see Abeck, D. (68) 41
Strätz, M., Gottschalk, G. and Dürre, P.
Transfer and expression of the tetracycline resistance transposon Tn*925* in *Acetobacterium woodii* (68) 171

Stromeyer, S., see Egli, C. (68) 207
Struck-Sauer, E., see Abeck, D. (68) 41
Strugnell, R.A., see Hay, P.E. (68) 233
Sutherland, J.D., see Baldwin, J.E. (68) 45

Taira, S., see Saris, P. (68) 143
Takano, S., Noda, M. and Kato, I.
Activation of phospholipase A_2 in rabbit erythrocyte membranes by a novel hemolytic toxin (H-toxin) of *Clostridium septicum* (68) 319
Takubo, S., see Yamamoto, T. (68) 335
Taylor-Robinson, D., see Hay, P.E. (68) 233
Titball, R.W. and Rubidge, T.
The role of histidine residues in the alpha toxin of *Clostridium perfringens* (68) 261
Tomás, J.M., see Merino, S. (68) 239

Valisena, S., see Parolin, C. (68) 341
Van der Woude, M.W., Braster, M., Van Verseveld, H.W. and De Graaf, F.K.
Control of temperature-dependent synthesis of K99 fimbriae (68) 183
Van Verseveld, H.W., see Van der Woude, M.W. (68) 183

Weckesser, J., see Martin, C. (68) 1
Whiley, R.A., Fraser, H.Y., Douglas, C.W.I., Hardie, J.M., Williams, A.M. and Collins, M.D.
Streptococcus parasanguis sp. nov., an atypical viridans *Streptococcus* from human clinical specimens (68) 115
Wilding, N., see Gray, S.N. (68) 131
Williams, A.M., Fryer, J.L. and Collins, M.D.
Lactococcus piscium sp. nov. a new *Lactococcus* species from salmonid fish (68) 109
Williams, A.M., see Whiley, R.A. (68) 115
Willshaw, C.A., McConnell, M.M., Smith, H.R. and Rowe, B.
Structural and regulatory genes for coli surface associated antigen 4 (CS4) are encoded by separate plasmids in enterotoxigenic *Escherichia coli* strains of serotype 025.H42 (68) 255
Wingender, J., see Grabert, E. (68) 83
Winkler, U.K., see Grabert, E. (68) 83

Yamamoto, T., Takubo, S., Fujita, K., Oguri, T. and Yokota, T.
Cloning and restriction analysis of DNA conferring new quinolone antimicrobial agent resistance from *Staphylococcus aureus* and other coagulase-negative *Staphylococcus* species (68) 335
Yanze Kontchou, C. and Blondeau, R.
Isolation and characterization of hydrogen peroxide producing *Aerococcus* sp. from soil samples (68) 323
Yokota, S.-i., Kaya, S. and Noguchi, H.
Antigenic epitope in *Pseudomonas aeruginosa* lipopolysaccharide immunologically cross-reactive with *Escherichia coli* 026 lipopolysaccharide (68) 245
Yokota, T., see Yamamoto, T. (68) 335

Zilhao, R. and Courvalin, P.
Nucleotide sequence of the *fosB* gene conferring fosfomycin resistance in *Staphylococcus epidermidis* (68) 267

FEMS Microbiology Letters

SUBJECT INDEX VOLUME 68

Abnormal proteins
Escherichia coli; Proteolysis; Regulation; Canavanine; *lon* gene (Rosenberger, R.F. (68) 19)

Acetate formation
Selenomonas ruminantium; Enzyme purification (Michel, T.A. (68) 189)

Acetobacterium woodii
Tetracycline resistance transposon; Transfer; Expression (Strätz, M. (68) 171)

Anaerobic dehalogenations; Reductive dechlorination; Substitutive dechlorination; Tetrachloromethane, Trichloromethane; Methanobacterium thermoautotrophicum; Desulfobacterium autotrophicum (Egli, C. (68) 207)

Adhesion
Candida albicans; Extracellular matrix (Klotz, S.A. (68) 249)

Aerococcus
Hydrogen peroxide release; Superoxide dismutase; Pyruvate oxidase (Yanze Kontchou, C. (68) 323)

Aeromonas
Bacteriophage PM2; Lipopolysaccharide (Merino, S. (68) 239)

Aeromonas media
Motility; Polar flagella (Austin, B. (68) 123)

Aeromonas salmonicida
Fish pathogen; Survival; River water; Dormancy (Rose, A.S. (68) 105)

Aeschynomene
Asymbiotic nitrogen fixation; Rhizobium; Stem nodulation (Alazard, D. (68) 177)

Akinetes
Cyanobacterium; Ammonium transport; Heterocystous filaments; Germination; Oxygenic photosynthesis (Sing, S. (68) 163)

Alginate
Pseudomonas aeruginosa; Cystic fibrosis; Outer membrane protein (Grabert, E. (68) 83)

Alpha toxin
Clostridium perfringens; Histidine residue (Titball, R.W. (68) 261)

Ammonia assimilation
Nitrite release; Repression-derepression control (Palod, A. (68) 285)

Ammonium transport
Cyanobacterium; Heterocystous filaments; Akinetes; Germination; Oxygenic photosynthesis (Sing, S. (68) 163)

cyclic AMP
OmpA protein; *Escherichia coli* (Gibert, I. (68) 307)

Anaerobic dehalogenations
Reductive dechlorination; Substitutive dechlorination; Tetrachloromethane, Trichloromethane; *Acetobacterium woodii; Methanobacterium thermoautotrophicum; Desulfobacterium autotrophicum* (Egli, C. (68) 207)

Anion exchange chromatography
Microcystis aeruginosa; Microcystin-LR; *Nodularia spumigena*; Nodularin; Rapid isolation (Martin, C. (68) 1)

Apoprotein AI
Streptococcus group A; Opacity factor; High density lipoprotein; Apoproteinase (Saravani, G.A. (68) 35)

Apoproteinase
Streptococcus group A; Opacity factor; High density lipoprotein; Apoprotein AI (Saravani, G.A. (68) 35)

Asymbiotic nitrogen fixation
Aeschynomene; Rhizobium; Stem nodulation (Alazard, D. (68) 177)

Bacillus subtilis
Whooping cough; Pertussis toxin; Recombinant DNA; Protein secretion (Saris, P. (68) 143)

Bacillus thuringiensis
∂-Endotoxin gene; Site directed Mutagenesis; Receptor binding (Ahmad, W. (68) 97)

Bacterial adherence
Listeria monocytogenes; Carbohydrate binding protein (Cottin, J. (68) 301)

0378-1097/90/$03.50 © 1990 Federation of European Microbiological Societies

Bacteriophage
Pseudomonas spp.; Root colonization (O'Sullivan, M. (68) 329)

Bacteriophage PM2
Aeromonas; Lipopolysaccharide (Merino, S. (68) 239)

Bicarbonate concentrating system
Inorganic carbon uptake; RuBisCO activity; Unicellular cyanobacteria; Oceanic *Synechococcus* species (Amalia, (68) 137)

Caldohexamine
Polyamines; Caldopentamine; Homocaldopentamine; Thermopentamine; *Thermomicrobium*; Thermophile (Hamana, K. (68) 31)

Caldopentamine
Polyamines; Homocaldopentamine; Thermopentamine; Caldohexamine; *Thermomicrobium*; Thermophile (Hamana, K. (68) 31)

Canavanine
Escherichia coli; Proteolysis; Regulation; Abnormal proteins; *lon* gene (Rosenberger, R.F. (68) 19)

Candida albicans
Adhesion; Extracellular matrix (Klotz, S.A. (68) 249)

Carbohydrate binding protein
Listeria monocytogenes; Bacterial adherence (Cottin, J. (68) 301)

Cellular differentiation
α-specific Genes *Saccharomyces cerevisiae*; SSL1 (Steden, M. (68) 229)

Cellulase biosynthesis
Trichoderma reesei; Oxidized cellulose (Kubicek-Pranz, E.M. (68) 273)

Cephalosporium acremonium
Isopenicillin N synthase; β-Lactam antibiotics biosynthesis (Baldwin, J.E. (68) 45)

Cerebrospinal fluid
Treponema spp.; DNA sequence; Polymerase chain reaction (Hay, P.E. (68) 233)

***ompC* gene**
Osmoregulation; Insertion sequence IS1; Gene activation; (*E. coli* outer membrane) (Ozawa, Y. (68) 295)

Citrobacter freundii
Conjugation, Cotransfer; Entry exclusion; Mobilization; Plasmid aggregate (Morzejko, E. (68) 7)

Cloning
Tryptophan genes; Expression (Rivero-Lezcano, O. (68) 201)

Staphylococcus aureus; Coagulase-negative staphylococci; New quinolone antimicrobial agents; Resistance (Yamamoto, T. (68) 335)

Clostridium perfringens
Alpha toxin; Histidine residue (Titball, R.W. (68) 261)

Clostridium septicum
H-toxin; Phospholipase A_2 (Takano, S. (68) 319)

Coagulase-negative staphylococci
Staphylococcus aureus; New quinolone antimicrobial agents; Resistance; Cloning (Yamamoto, T. (68) 335)

CoLE$_1$-plasmids
Escherichia coli; Plasmid curing; α-Santonin (Bharathi, A. (68) 213)

Composting
Denitrification; Nitrogen gas evolution (Casella, S. (68) 53)

Conjugation, Cotransfer
Entry exclusion; Mobilization; Plasmid aggregate; *Citrobacter freundii* (Morzejko, E. (68) 7)

CS antigens
Escherichia coli; Plasmid; Regulation of fimbriae (Willshaw, C.A. (68) 255)

Cyanobacteria
Synechocystis; Respiration; Salt stress; Mutant; Cytochrome *c* oxidase (Jeanjean, R. (68) 125)

Cyanobacterin, *Euglena gracilis*
Thylakoid membrane disruption (Gleason, F.K. (68) 77)

Cyanobacterium
Ammonium transport; Heterocystous filaments; Akinetes; Germination; Oxygenic photosynthesis (Sing, S. (68) 163)

Cyclic nucleosides
^{1}H, ^{31}P-NMR; LB broth; Yeast autolysis; Yeast extracts (Rayner, M.H. (68) 217)

Cystic fibrosis
Pseudomonas aeruginosa; Alginate; Outer membrane protein (Grabert, E. (68) 83)

Cytochrome *c* oxidase
Cyanobacteria; *Synechocystis*; Respiration; Salt stress; Mutant (Jeanjean, R. (68) 125)

Cytotoxic necrotizing factor
Escherichia coli; Vir plasmid (Oswald, E. (68) 279)

Denitrification
Composting; Nitrogen gas evolution (Casella, S. (68) 53)

Desulfobacterium autotrophicum
Anaerobic dehalogenations; Reductive dechlorination; Substitutive dechlorination; Tetrachloromethane, Trichloromethane; *Acetobacterium woodii; Methanobacterium thermoautotrophicum* (Egli, C. (68) 207)

DNA base composition
Lactococcus piscium sp. nov.; Molecular systematics; Ribosomal RNA sequence; Fatty acids (Williams, A.M. (68) 109)

DNA binding agent
DNA-directed enzymes; Plasmid expression; *Escherichia coli* (Parolin, C. (68) 341)

DNA-directed enzymes
DNA binding agent; Plasmid expression; *Escherichia coli* (Parolin, C. (68) 341)

DNA-DNA hybridizations
Viridans streptococci; Ribosomal RNA sequencing; Taxonomy; Molecular systematics (Whiley, R.A. (68) 115)

DNase
Vibrio cholerae; Transformation; Electroporation (Marcus, H. (68) 149)

DNA sequence
Treponema spp.; Cerebrospinal fluid; Polymerase chain reaction (Hay, P.E. (68) 233)

Dormancy
Aeromonas salmonicida; Fish pathogen; Survival; River water (Rose, A.S. (68) 105)

EDTA
β-Lactam antibiotics; Lipoic acid; Outer membrane permeability; Potential-time technique (Jouenne, T. (68) 313)

Electroporation
Vibrio cholerae; Transformation; DNase (Marcus, H. (68) 149)

Endotoxin
Macrophage hyperreactivity; Streptococcal pyrogenic exotoxin (Murai, T. (68) 61)

∂-Endotoxin gene
Bacillus thuringiensis; Site directed Mutagenesis; Receptor binding (Ahmad, W. (68) 97)

Entry exclusion
Conjugation, Cotransfer; Mobilization; Plasmid aggregate; *Citrobacter freundii* (Morzejko, E. (68) 7)

Enzyme purification
Selenomonas ruminantium; Acetate formation (Michel, T.A. (68) 189)

Erynia neoaphidis
Toxicity; Nutritional requirement; Oleic acid (Gray, S.N. (68) 131)

Erythema
Streptococcal toxin; Vascular permeability (Kamezawa, Y. (68) 159)

Escherichia coli
Proteolysis; Regulation; Canavanine; Abnormal proteins; *lon* gene (Rosenberger, R.F. (68) 19)

Streptomyces; Promoter-probe vector; SEP-promoters (Asturias, J.A. (68) 65)

Ethidium efflux (Purewal, A.S. (68) 73)

Fimbria; Temperature (Van der Woude, M.W. (68) 183)

Plasmid curing; $CoLE_1$-plasmids; α-Santonin (Bharathi, A. (68) 213)

Lipopolysaccharide; *Pseudomonas aeruginosa*; Monoclonal antibody (Yokota, S.-i. (68) 245)

CS antigens; Plasmid; Regulation of fimbriae (Willshaw, C.A. (68) 255)

Vir plasmid; Cytotoxic necrotizing factor (Oswald, E. (68) 279)

OmpA protein; cyclic AMP (Gibert, I. (68) 307)

DNA binding agent; DNA-directed enzymes; Plasmid expression (Parolin, C. (68) 341)

Ethidium efflux
Escherichia coli (Purewal, A.S. (68) 73)

Expression
Acetobacterium woodii; Tetracycline resistance transposon; Transfer (Strätz, M. (68) 171)

Tryptophan genes; Cloning (Rivero-Lezcano, O. (68) 201)

Extracellular matrix
Candida albicans; Adhesion (Klotz, S.A. (68) 249)

Fatty acids
Lactococcus piscium sp. nov.; Molecular systematics; Ribosomal RNA sequence; DNA base composition (Williams, A.M. (68) 109)

Fimbria
Escherichia coli; Temperature (Van der Woude, M.W. (68) 183)

Fish pathogen
Aeromonas salmonicida; Survival; River water; Dormancy (Rose, A.S. (68) 105)

Fosfomycin resistance
Staphylococcus epidermidis; Nucleotide sequence; Protein comparisons (Zilhao, R. (68) 267)

Gene activation
Osmoregulation; Insertion sequence IS1; *ompC* gene; (*E. coli* outer membrane) (Ozawa, Y. (68) 295)

α-specific Genes
Cellular differentiation; *Saccharomyces cerevisiae*; SSL1 (Steden, M. (68) 229)

Germination
Cyanobacterium; Ammonium transport; Heterocystous filaments; Akinetes; Oxygenic photosynthesis (Sing, S. (68) 163)

Haemophilus ducreyi
Iron limitation; Protein profiles (Abeck, D. (68) 41)

Hemolysin
Monoclonal antibody; *Vibrio parahaemolyticus* (Honda, T. (68) 167)

Heterocystous filaments
Cyanobacterium; Ammonium transport; Akinetes; Germination; Oxygenic photosynthesis (Sing, S. (68) 163)

High density lipoprotein
Streptococcus group A; Opacity factor; Apoprotein AI; Apoproteinase (Saravani, G.A. (68) 35)

Histidine residue
Alpha toxin; *Clostridium perfringens* (Titball, R.W. (68) 261)

Homocaldopentamine
Polyamines; Caldopentamine; Thermopentamine; Caldohexamine; *Thermomicrobium*; Thermophile (Hamana, K. (68) 31)

^{1}H, ^{31}P-NMR
LB broth; Yeast autolysis; Yeast extracts; Cyclic nucleosides (Rayner, M.H. (68) 217)

H-toxin
Clostridium septicum; Phospholipase A_2 (Takano, S. (68) 319)

Hydrogen peroxide release
Aerococcus; Superoxide dismutase; Pyruvate oxidase (Yanze Kontchou, C. (68) 323)

Inorganic carbon uptake
Bicarbonate concentrating system; RuBisCO activity; Unicellular cyanobacteria; Oceanic *Synechococcus* species (Amalia, (68) 137)

Insertion sequence IS1
Osmoregulation; *ompC* gene; Gene activation; (*E. coli* outer membrane) (Ozawa, Y. (68) 295)

Iron limitation
Haemophilus ducreyi; Protein profiles (Abeck, D. (68) 41)

IS30
smp; Promoter mutations (Neuwald, A.F. (68) 13)

Isopenicillin N synthase
Cephalosporium acremonium; β-Lactam antibiotics biosynthesis (Baldwin, J.E. (68) 45)

KDO
2-Keto-3-deoxyoctonate; *Vibrio cholerae*; Lipopolysaccharides (Kondo, S. (68) 155)

2-Keto-3-deoxyoctonate
KDO; *Vibrio cholerae*; Lipopolysaccharides (Kondo, S. (68) 155)

β-Lactam antibiotics
EDTA; Lipoic acid; Outer membrane permeability; Potential-time technique (Jouenne, T. (68) 313)

β-Lactam antibiotics biosynthesis
Isopenicillin N synthase; *Cephalosporium acremonium* (Baldwin, J.E. (68) 45)

***Lactococcus piscium* sp. nov.**
Molecular systematics; Ribosomal RNA sequence; Fatty acids; DNA base composition (Williams, A.M. (68) 109)

LB broth
^{1}H, ^{31}P-NMR; Yeast autolysis; Yeast extracts; Cyclic nucleosides (Rayner, M.H. (68) 217)

Lipoic acid
EDTA; β-Lactam antibiotics; Outer membrane permeability; Potential-time technique (Jouenne, T. (68) 313)

Lipopolysaccharide
Aeromonas; Bacteriophage PM2 (Merino, S. (68) 239)

Pseudomonas aeruginosa; *Escherichia coli*; Monoclonal antibody (Yokota, S.-i. (68) 245)

Lipopolysaccharides
2-Keto-3-deoxyoctonate; KDO; *Vibrio cholerae* (Kondo, S. (68) 155)

Listeria monocytogenes
Carbohydrate binding protein; Bacterial adherence (Cottin, J. (68) 301)

***lon* gene**
Escherichia coli; Proteolysis; Regulation; Canavanine; Abnormal proteins (Rosenberger, R.F. (68) 19)

lytic fission, late eccentric
Schizosaccharomyces pombe; (Extreme form) (Bligh, H.F.J. (68) 69)

Macrophage hyperreactivity
Endotoxin; Streptococcal pyrogenic exotoxin (Murai, T. (68) 61)

Methanobacterium thermoautotrophicum
Anaerobic dehalogenations; Reductive dechlorination; Substitutive dechlorination; Tetrachloromethane, Trichloromethane; *Acetobacterium woodii; Desulfobacterium autotrophicum* (Egli, C. (68) 207)

Methanogenesis
Cytochrome b, Cytochrome c, *Methanosarcina barkeri* (Lin, D. (68) 89)

Methanol dehydrogenase
Methylophilus methylotrophus; Methylamine dehydrogenase (Dawson, A. (68) 93)

Methylamine dehydrogenase
Methylophilus methylotrophus; Methanol dehydrogenase (Dawson, A. (68) 93)

Methylophilus methylotrophus
Methanol dehydrogenase; Methylamine dehydrogenase (Dawson, A. (68) 93)

Microcystin-LR
Microcystis aeruginosa; *Nodularia spumigena*; Nodularin; Rapid isolation; Anion exchange chromatography (Martin, C. (68) 1)

Microcystis aeruginosa
Microcystin-LR; *Nodularia spumigena*; Nodularin; Rapid isolation; Anion exchange chromatography (Martin, C. (68) 1)

Mobilization
Conjugation, Cotransfer; Entry exclusion; Plasmid aggregate; *Citrobacter freundii* (Morzejko, E. (68) 7)

Molecular systematics
Lactococcus piscium sp. nov.; Ribosomal RNA sequence; Fatty acids; DNA base composition (Williams, A.M. (68) 109)

Viridans streptococci; DNA-DNA hybridizations; Ribosomal RNA sequencing; Taxonomy (Whiley, R.A. (68) 115)

Monoclonal antibody
Hemolysin; *Vibrio parahaemolyticus* (Honda, T. (68) 167)

Lipopolysaccharide; *Pseudomonas aeruginosa*; *Escherichia coli* (Yokota, S.-i. (68) 245)

Motility
Aeromonas media; Polar flagella (Austin, B. (68) 123)

Mutant
Cyanobacteria; *Synechocystis*; Respiration; Salt stress; Cytochrome *c* oxidase (Jeanjean, R. (68) 125)

New quinolone antimicrobial agents
Staphylococcus aureus; Coagulase-negative staphylococci; Resistance; Cloning (Yamamoto, T. (68) 335)

Nitrite release
Ammonia assimilation; Repression-derepression control (Palod, A. (68) 285)

Nitrogen gas evolution
Denitrification; Composting (Casella, S. (68) 53)

Nodularia spumigena
Microcystis aeruginosa; Microcystin-LR; Nodularin; Rapid isolation; Anion exchange chromatography (Martin, C. (68) 1)

Nodularin
Microcystis aeruginosa; Microcystin-LR; *Nodularia spumigena*; Rapid isolation; Anion exchange chromatography (Martin, C. (68) 1)

Nucleotide sequence
Streptococcus mutans; sr gene (Ogier, J.A. (68) 223)

Fosfomycin resistance; *Staphylococcus epidermidis*; Protein comparisons (Zilhao, R. (68) 267)

Nutritional requirement
Erynia neoaphidis; Toxicity; Oleic acid (Gray, S.N. (68) 131)

Oceanic *Synechococcus* species
Inorganic carbon uptake; Bicarbonate concentrating system; RuBisCO activity; Unicellular cyanobacteria (Amalia, (68) 137)

Oleic acid
Erynia neoaphidis; Toxicity; Nutritional requirement (Gray, S.N. (68) 131)

OmpA protein
cyclic AMP; *Escherichia coli* (Gibert, I. (68) 307)

OmpF and OmpC porins
Osmoregulation; OmpR protein; (*E. coli* outer membrane) (Mizuno, T. (68) 289)

OmpR protein
Osmoregulation; OmpF and OmpC porins; (*E. coli* outer membrane) (Mizuno, T. (68) 289)

Opacity factor
Streptococcus group A; High density lipoprotein; Apoprotein AI; Apoproteinase (Saravani, G.A. (68) 35)

Osmoregulation
OmpF and OmpC porins; OmpR protein; (*E. coli* outer membrane) (Mizuno, T. (68) 289)

Insertion sequence IS1; *ompC* gene; Gene activation; (*E. coli* outer membrane) (Ozawa, Y. (68) 295)

Outer membrane permeability
EDTA; β-Lactam antibiotics; Lipoic acid; Potential-time technique (Jouenne, T. (68) 313)

Outer membrane protein
Pseudomonas aeruginosa; Cystic fibrosis; Alginate (Grabert, E. (68) 83)

Oxidized cellulose
Cellulase biosynthesis; Trichoderma reesei (Kubicek-Pranz, E.M. (68) 273)

Oxygenic photosynthesis
Cyanobacterium; Ammonium transport; Heterocystous filaments; Akinetes; Germination (Sing, S. (68) 163)

Pertussis toxin
Whooping cough; Recombinant DNA; *Bacillus subtilis*; Protein secretion (Saris, P. (68) 143)

Phospholipase A_2
Clostridium septicum; H-toxin (Takano, S. (68) 319)

Plasmid
Streptomyces; Thiostrepton resistance (Malina, H. (68) 195)

Escherichia coli; CS antigens; Regulation of fimbriae (Willshaw, C.A. (68) 255)

Plasmid aggregate
Conjugation, Cotransfer; Entry exclusion; Mobilization; *Citrobacter freundii* (Morzejko, E. (68) 7)

Plasmid curing
Escherichia coli; $CoLE_1$-plasmids; α-Santonin (Bharathi, A. (68) 213)

Plasmid expression
DNA binding agent; DNA-directed enzymes; *Escherichia coli* (Parolin, C. (68) 341)

Polar flagella
Aeromonas media; Motility (Austin, B. (68) 123)

Polyamine
Thermopentamine; *Thermus*; Thermophile (Hamana, K. (68) 27)

Polyamines
Caldopentamine; Homocaldopentamine; Thermopentamine; Caldohexamine; *Thermomicrobium*; Thermophile (Hamana, K. (68) 31)

Polymerase chain reaction
Treponema spp.; DNA sequence; Cerebrospinal fluid (Hay, P.E. (68) 233)

Potential-time technique
EDTA; β-Lactam antibiotics; Lipoic acid; Outer membrane permeability (Jouenne, T. (68) 313)

Promoter mutations
smp; IS30 (Neuwald, A.F. (68) 13)

Promoter-probe vector
Streptomyces; Escherichia coli; SEP-promoters (Asturias, J.A. (68) 65)

Protein comparisons
Fosfomycin resistance; *Staphylococcus epidermidis*; Nucleotide sequence (Zilhao, R. (68) 267)

Protein profiles
Haemophilus ducreyi; Iron limitation (Abeck, D. (68) 41)

Protein secretion
Whooping cough; Pertussis toxin; Recombinant DNA; *Bacillus subtilis* (Saris, P. (68) 143)

Proteolysis
Escherichia coli; Regulation; Canavanine; Abnormal proteins; *lon* gene (Rosenberger, R.F. (68) 19)

Pseudomonas aeruginosa
Cystic fibrosis; Alginate; Outer membrane protein (Grabert, E. (68) 83)

Lipopolysaccharide; *Escherichia coli*; Monoclonal antibody (Yokota, S.-i. (68) 245)

***Pseudomonas* spp.**
Bacteriophage; Root colonization (O'Sullivan, M. (68) 329)

Pyruvate oxidase
Aerococcus; Hydrogen peroxide release; Superoxide dismutase (Yanze Kontchou, C. (68) 323)

Rapid isolation
Microcystis aeruginosa; Microcystin-LR; *Nodularia spumigena*; Nodularin; Anion exchange chromatography (Martin, C. (68) 1)

Receptor binding
Bacillus thuringiensis; ∂-Endotoxin gene; Site directed Mutagenesis (Ahmad, W. (68) 97)

Recombinant DNA
Whooping cough; Pertussis toxin; *Bacillus subtilis*; Protein secretion (Saris, P. (68) 143)

Reductive dechlorination
Anaerobic dehalogenations; Substitutive dechlorination; Tetrachloromethane, Trichloromethane; *Acetobacterium woodii; Methanobacterium thermoautotrophicum; Desulfobacterium autotrophicum* (Egli, C. (68) 207)

Regulation
Escherichia coli; Proteolysis; Canavanine; Abnormal proteins; *lon* gene (Rosenberger, R.F. (68) 19)

Regulation of fimbriae
Escherichia coli; CS antigens; Plasmid (Willshaw, C.A. (68) 255)

Repression-derepression control
Ammonia assimilation; Nitrite release (Palod, A. (68) 285)

Resistance
Staphylococcus aureus; Coagulase-negative staphylococci; New quinolone antimicrobial agents; Cloning (Yamamoto, T. (68) 335)

Respiration
Cyanobacteria; *Synechocystis*; Salt stress; Mutant; Cytochrome *c* oxidase (Jeanjean, R. (68) 125)

Rhizobium
Aeschynomene; Asymbiotic nitrogen fixation; Stem nodulation (Alazard, D. (68) 177)

Ribosomal RNA sequence
Lactococcus piscium sp. nov.; Molecular systematics; Fatty acids; DNA base composition (Williams, A.M. (68) 109)

Ribosomal RNA sequencing
Viridans streptococci; DNA-DNA hybridizations; Taxonomy; Molecular systematics (Whiley, R.A. (68) 115)

River water
Aeromonas salmonicida; Fish pathogen; Survival; Dormancy (Rose, A.S. (68) 105)

Root colonization
Pseudomonas spp.; Bacteriophage (O'Sullivan, M. (68) 329)

RuBisCO activity
Inorganic carbon uptake; Bicarbonate concentrating system; Unicellular cyanobacteria; Oceanic *Synechococcus* species (Amalia, (68) 137)

Saccharomyces cerevisiae
Cellular differentiation; α-specific Genes; SSL1 (Steden, M. (68) 229)

Salt stress
Cyanobacteria; *Synechocystis*; Respiration; Mutant; Cytochrome *c* oxidase (Jeanjean, R. (68) 125)

α-Santonin
Escherichia coli; Plasmid curing; $CoLE_1$-plasmids (Bharathi, A. (68) 213)

Schizosaccharomyces pombe
lytic fission, late eccentric; (Extreme form) (Bligh, H.F.J. (68) 69)

Selenomonas ruminantium
Acetate formation; Enzyme purification (Michel, T.A. (68) 189)

SEP-promoters
Streptomyces; Escherichia coli; Promoter-probe vector (Asturias, J.A. (68) 65)

Site directed Mutagenesis
Bacillus thuringiensis; ∂-Endotoxin gene; Receptor binding (Ahmad, W. (68) 97)

smp
IS30; Promoter mutations (Neuwald, A.F. (68) 13)

sr gene
Streptococcus mutans; Nucleotide sequence (Ogier, J.A. (68) 223)

SSL1
Saccharomyces cerevisiae; Cellular differentiation; α-specific Genes (Steden, M. (68) 229)

Staphylococcus aureus
Coagulase-negative staphylococci; New quinolone antimicrobial agents; Resistance; Cloning (Yamamoto, T. (68) 335)

Staphylococcus epidermidis
Fosfomycin resistance; Nucleotide sequence; Protein comparisons (Zilhao, R. (68) 267)

Stem nodulation
Aeschynomene; Asymbiotic nitrogen fixation; Rhizobium (Alazard, D. (68) 177)

Streptococcal pyrogenic exotoxin
Endotoxin; Macrophage hyperreactivity (Murai, T. (68) 61)

Streptococcal toxin
Vascular permeability; Erythema (Kamezawa, Y. (68) 159)

Streptococcus group A
Opacity factor; High density lipoprotein; Apoprotein AI; Apoproteinase (Saravani, G.A. (68) 35)

Streptococcus mutans
sr gene; Nucleotide sequence (Ogier, J.A. (68) 223)

Streptomyces
Escherichia coli; Promoter-probe vector; SEP-promoters (Asturias, J.A. (68) 65)

Plasmid; Thiostrepton resistance (Malina, H. (68) 195)

Substitutive dechlorination
Anaerobic dehalogenations; Reductive dechlorination; Tetrachloromethane, Trichloromethane; *Acetobacterium woodii; Methanobacterium thermoautotrophicum; Desulfobacterium autotrophicum* (Egli, C. (68) 207)

Superoxide dismutase
Aerococcus; Hydrogen peroxide release; Pyruvate oxidase (Yanze Kontchou, C. (68) 323)

Survival
Aeromonas salmonicida; Fish pathogen; River water; Dormancy (Rose, A.S. (68) 105)

Synechocystis
Cyanobacteria; Respiration; Salt stress; Mutant; Cytochrome *c* oxidase (Jeanjean, R. (68) 125)

Taxonomy
Viridans streptococci; DNA-DNA hybridizations; Ribosomal RNA sequencing; Molecular systematics (Whiley, R.A. (68) 115)

Temperature
Fimbria; *Escherichia coli* (Van der Woude, M.W. (68) 183)

Tetrachloromethane, Trichloromethane
Anaerobic dehalogenations; Reductive dechlorination; Substitutive dechlorination; *Acetobacterium woodii; Methanobacterium thermoautotrophicum; Desulfobacterium autotrophicum* (Egli, C. (68) 207)

Tetracycline resistance transposon
Acetobacterium woodii; Transfer; Expression (Strätz, M. (68) 171)

Thermomicrobium
Polyamines; Caldopentamine; Homocaldopentamine; Thermopentamine; Caldohexamine; Thermophile (Hamana, K. (68) 31)

Thermopentamine
Polyamine; *Thermus*; Thermophile (Hamana, K. (68) 27)

Polyamines; Caldopentamine; Homocaldopentamine; Caldohexamine; *Thermomicrobium*; Thermophile (Hamana, K. (68) 31)

Thermophile
Polyamine; Thermopentamine; *Thermus* (Hamana, K. (68) 27)

Polyamines; Caldopentamine; Homocaldopentamine; Thermopentamine; Caldohexamine; *Thermomicrobium* (Hamana, K. (68) 31)

Thermus
Polyamine; Thermopentamine; Thermophile (Hamana, K. (68) 27)

Thiostrepton resistance
Streptomyces; Plasmid (Malina, H. (68) 195)

Thylakoid membrane disruption
Cyanobacterin, *Euglena gracilis* (Gleason, F.K. (68) 77)

Toxicity
Erynia neoaphidis; Nutritional requirement; Oleic acid (Gray, S.N. (68) 131)

Transfer
Acetobacterium woodii; Tetracycline resistance transposon; Expression (Strätz, M. (68) 171)

Transformation
Vibrio cholerae; Electroporation; DNase (Marcus, H. (68) 149)

***Treponema* spp.**
DNA sequence; Cerebrospinal fluid; Polymerase chain reaction (Hay, P.E. (68) 233)

Trichoderma reesei
Cellulase biosynthesis; Oxidized cellulose (Kubicek-Pranz, E.M. (68) 273)

Tryptophan genes
Cloning; Expression (Rivero-Lezcano, O. (68) 201)

Unicellular cyanobacteria
Inorganic carbon uptake; Bicarbonate concentrating system; RuBisCO activity; Oceanic *Synechococcus* species (Amalia, (68) 137)

Vascular permeability
Streptococcal toxin; Erythema (Kamezawa, Y. (68) 159)

Vibrio cholerae
Transformation; Electroporation; DNase (Marcus, H. (68) 149)

2-Keto-3-deoxyoctonate; KDO; Lipopolysaccharides (Kondo, S. (68) 155)

Vibrio parahaemolyticus
Monoclonal antibody; Hemolysin (Honda, T. (68) 167)

Viridans streptococci
DNA-DNA hybridizations; Ribosomal RNA sequencing; Taxonomy; Molecular systematics (Whiley, R.A. (68) 115)

Vir plasmid
Escherichia coli; Cytotoxic necrotizing factor (Oswald, E. (68) 279)

Whooping cough
Pertussis toxin; Recombinant DNA; *Bacillus subtilis*; Protein secretion (Saris, P. (68) 143)

Yeast autolysis
^{1}H, ^{31}P-NMR; LB broth; Yeast extracts; Cyclic nucleosides (Rayner, M.H. (68) 217)

Yeast extracts
^{1}H, ^{31}P-NMR; LB broth; Yeast autolysis; Cyclic nucleosides (Rayner, M.H. (68) 217)